

	Hits	Search Text	DBs
1	289	butyrate and (urokinase or upa!)	USPAT; US-PGPUB; EPO; JPO; DERWENT
2	30	(butyrate and (urokinase or upa!)) and (sodium adj butyrate)	USPAT; US-PGPUB; EPO; JPO; DERWENT
3	3	butyrate near20 (urokinase or upa!)	USPAT; US-PGPUB; EPO; JPO; DERWENT
4	325	435/215.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT
5	15	435/215.ccls. and (ion and benzamidine)	USPAT; US-PGPUB; EPO; JPO; DERWENT
6	0	arini.in. and urokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
7	2494	(urokinase or upa!) and purification	USPAT; US-PGPUB; EPO; JPO; DERWENT
8	869	((urokinase or upa!) and purification) and (ion adj exchange)	USPAT; US-PGPUB; EPO; JPO; DERWENT
9	13	((urokinase or upa!) and purification) and (LMW and HMW)	USPAT; US-PGPUB; EPO; JPO; DERWENT
10	558	((urokinase or upa!) and purification) and (NaCl or (sodium adj chloride)) and ((sodium adj phosphate) or Na2PO4) and ((sodium adj phosphate) or Na2PO4)	USPAT; US-PGPUB; EPO; JPO; DERWENT
11	123	((urokinase or upa!) and purification) and (NaCl or (sodium adj chloride)) and ((sodium adj phosphate) or Na2PO4) and (hmw or (high adj molecular adj weight))	USPAT; US-PGPUB; EPO; JPO; DERWENT
12	128	urokinase.ab. and purification.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT
13	79	urokinase.ti. and purification.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT
14	25	urokinase and (SP adj sepharose)	USPAT; US-PGPUB; EPO; JPO; DERWENT
15	8	(urokinase and (SP adj sepharose)) and benzamidine	USPAT; US-PGPUB; EPO; JPO; DERWENT
16	335	435/215.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT

	Hits	Search Text	DBs
17	26	435/215.ccls. and (benzamidine and sepharose)	USPAT; US-PGPUB; EPO; JPO; DERWENT
18	44	435/215.ccls. and ((low adj molecular weight) or lmw) and ((high adj molecular adj weight) or hmw)	USPAT; US-PGPUB; EPO; JPO; DERWENT
19	13	(435/215.ccls. and ((low adj molecular weight) or lmw) and ((high adj molecular adj weight) or hmw)) and benzamidine	USPAT; US-PGPUB; EPO; JPO; DERWENT
20	0	435/215.ccls. and (sp adj sepharose)	USPAT; US-PGPUB; EPO; JPO; DERWENT
21	2	4985362.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT
22	1	"4552760".PN.	USPAT
23	1	"4568544".PN.	USPAT
24	16	Mitsui.as. and (urokinase or upa)	USPAT; US-PGPUB; EPO; JPO; DERWENT
25	91	(urokinase or upa) near (molecular adj weight)	USPAT; US-PGPUB; EPO; JPO; DERWENT
26	7	((urokinase or upa) near (molecular adj weight)) and purification.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT
27	1276	(plasminogen adj activator) and (ion adj exchange) and (molecular adj weight)	USPAT; US-PGPUB; EPO; JPO; DERWENT
28	25	((plasminogen adj activator) and (ion adj exchange) and (molecular adj weight)) and purification.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT
29	0	(plasminogen adj activator) near (ion adj exchange) and (molecular adj weight)	USPAT; US-PGPUB; EPO; JPO; DERWENT
30	64	(tpa! near upa!) and plasminogen	USPAT; US-PGPUB; EPO; JPO; DERWENT
31	6	((urokinase or upa).ab. near (molecular adj weight)) and purification	USPAT; US-PGPUB; EPO; JPO; DERWENT

	Hits	Search Text	DBs
32	17	urokinase near20 (hmw or lmw)	USPAT; US-PGPUB; EPO; JPO; DERWENT
33	72	Abbokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
34	15	Abbokinase and purification	USPAT; US-PGPUB; EPO; JPO; DERWENT
35	59	abbott.as. and (abbokinase or urokinase)	USPAT; US-PGPUB; EPO; JPO; DERWENT
36	8	abbott.as. and (abbokinase or lmw)	USPAT; US-PGPUB; EPO; JPO; DERWENT
37	5	abbott.as. and abbokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
38	0	abbott.as. and lmw-upa	USPAT; US-PGPUB; EPO; JPO; DERWENT
39	3	abbott.as. and lmw	USPAT; US-PGPUB; EPO; JPO; DERWENT
40	15	abbokinase and purification	USPAT; US-PGPUB; EPO; JPO; DERWENT
41	24	urokinase and lmw and hmw	USPAT; US-PGPUB; EPO; JPO; DERWENT
42	5761	urokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
43	248	435/215.ccls. and urokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
44	6	435/215.ccls. and urokinase and lmw and hmw	USPAT; US-PGPUB; EPO; JPO; DERWENT
45	43	530/412.ccls. and urokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
46	0	(530/416.ccls. and urokinase) and lmw	USPAT; US-PGPUB; EPO; JPO; DERWENT
47	31	530/416.ccls. and urokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
48	1	530/412.ccls. and urokinase.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT
49	43	530/412.ccls. and (upa or urokinase)	USPAT; US-PGPUB; EPO; JPO; DERWENT

	Hits	Search Text	DBs
50	4	530/412.ccls. and upa	USPAT; US-PGPUB; EPO; JPO; DERWENT
51	1	530/416.ccls. and upa	USPAT; US-PGPUB; EPO; JPO; DERWENT

09/405,692 SEARCH RESULTS/HISTORY

(FILE 'HOME' ENTERED AT 10:33:24 ON 20 AUG 2002)

FILE 'MEDLINE, AGRICOLA, CAPLUS, BIOSIS, EMBASE, WPIDS' ENTERED AT
10:33:34 ON 20 AUG 2002

L1 10 S (UROKINASE OR UPA OR TC-UPA) AND (PURIFY OR PURIFICATION OR I
L2 10 S (UROKINASE OR UPA OR TC-UPA) AND (PURIFY OR PURIFICATION OR I
L3 7 DUP REM L2 (3 DUPLICATES REMOVED)
L4 2123 S (UROKINASE OR UPA OR TC-UPA) AND (PURIFY OR PURIFICATION OR I
L5 155 S L4 AND ((ION (W) EXCHANGE) OR (CATION EXCHANGE))
L6 90 DUP REM L5 (65 DUPLICATES REMOVED)
L7 24 S L6 AND (MOLECULAR (W) WEIGHT)

FILE 'STNGUIDE' ENTERED AT 10:58:41 ON 20 AUG 2002

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Kinetic studies of three different molecular forms of urokinase for the activation of native human plasminogen.

Toki N, Takasugi S, Sumi H.

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The kinetic parameters of three different molecular forms of urokinase (UK) for the activation of native Glu-plasminogen were compared. The apparent Michaelis constant (K_m , app.) of each UK was almost of the same order of magnitude (31-38 μM), but the catalytic constants (k_c) were observed to be different: UKh (high molecular weight form, molecular weight 53,000), $2.4 \pm 0.2 \text{ s}^{-1}$; UK+ (low molecular weight form, molecular weight 33,000), $0.83 \pm 0.10 \text{ s}^{-1}$, and UKl (trypsin-digested form, molecular weight 36,000), $0.91 \pm 0.18 \text{ s}^{-1}$. The overall second order rate constant, k_c/K_m calculated for UKh was $7.7 \times 10(4) \text{ M}^{-1} \text{ s}^{-1}$, higher than for UKl ($2.2 \times 10(4) \text{ M}^{-1} \text{ s}^{-1}$) or UKt ($2.4 \times 10(4) \text{ M}^{-1} \text{ s}^{-1}$), indicating the possibility of a much higher degree of enzymatic specificity and efficiency.

PMID: 6788545 [PubMed - indexed for MEDLINE]

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